

LISTING OF THE CLAIMS

This listing of the claims replaces all prior versions and listings in the application.

48. (Currently amended) A method for delivering implant material into body tissue using a cannula and plunger assembly, the cannula comprising a cannula body having a first opening and a second opening proximal to the first opening, ~~and a~~ the plunger slidably disposed within a lumen of the cannula body and having an attached sealing member, the method comprising:

serting the cannula body into ~~a distal section of a~~ targeted body tissue;

perfusing ~~the~~ implant material out of the first opening into the tissue while the sealing member is in a first position relative to the cannula body and distal to the first opening;

moving proximally displacing the plunger sealing member from a the first position distal to the first opening into a second position relative to the cannula body and between the first and second openings; and

perfusing ~~the~~ implant material out of the second opening into the tissue while the sealing member plunger is in the second position.

49. (Currently amended) The method of claim 5048, wherein separating the distal portion from the proximal portion of the cannula ~~further comprises~~ severing a the distal portion from a the proximal portion of the cannula member.

50. (Currently amended) The method of claim 48, further comprising separating a distal portion from a proximal portion of the cannula ~~member~~ body after the implant material is perfused out of the respective first and second openings.

51. (Previously presented) The method of claim 48, wherein the implant material is longitudinally perfused out of the cannula body through the first opening, and transversely perfused out of the cannula body through the second opening.

52. (Currently amended) The method of claim 48, wherein the cannula body further comprises a third opening proximal to the second opening, the method further comprising:

~~moving proximally displacing the plunger~~ sealing member from the second position into a third position relative to the cannula body and between the second and third openings; and perfusing ~~the~~ implant material out of the third opening into the tissue while the sealing member plunger is in the third position.

53. (Previously presented) The method of claim 48, wherein the implant material is bone cement.

54. (Previously presented) The method of claim 48, wherein the tissue is bone tissue.

55. (Previously presented) The method of claim 54, wherein the bone tissue is a vertebral body.

56. (Currently amended) A method for delivering implant material into body tissue using a cannula, the cannula comprising a cannula body having a proximal end, a distal end, and one or more openings, the method comprising:

inserting the cannula body into body tissue;

perfusing the implant material out of the one or more openings into the tissue; and
separating the proximal end from the distal end of the cannula body at a predefined
detachment location.

57. (Previously presented) The method of claim 56, wherein the implant material is bone cement.

58. (Previously presented) The method of claim 56, wherein the tissue is bone tissue.

59. (Previously presented) The method of claim 58, wherein the bone tissue is a vertebral body.

60. (Currently amended) The method of claim 56, wherein the one or more openings comprises a plurality of openings axially spaced from each other along the cannula body ~~the method further comprising perfusing the implant material out of the plurality of openings into the tissue.~~

61. Canceled.

62. (Previously presented) The method of claim 56, wherein separating the proximal end from the distal end of the cannula body comprises detaching the cannula body by applying a shearing or twisting force.

63. (Previously presented) The method of claim 56, wherein separating the proximal end from the distal end of the cannula body comprises unscrewing the proximal end from the distal end.

64. (Previously presented) The method of claim 56, further comprising implanting the distal end of the cannula body within the tissue.

65. (Previously presented) The method of claim 56, wherein the distal end of the cannula body is composed of a biocompatible material

66. (New) A method for delivering implant material into body tissue using a cannula and plunger assembly, the cannula comprising a cannula body having a distal end opening and a wall opening proximal to the distal end opening, the plunger slidably disposed within a lumen of the cannula body and having an attached sealing member, the method comprising:

inserting the cannula body into targeted body tissue;

perfusing implant material out of the distal end opening into the tissue while the sealing member is in a first position relative to the cannula body and distal to the distal end opening;

moving the sealing member from the first position to a second position relative to the cannula body located within the cannula body lumen between the distal end opening and the wall opening;
and

perfusing implant material out of the wall opening into the tissue while the sealing member is in the second position.

67. (New) The method of claim 66, further comprising separating a distal portion from a proximal portion of the cannula body after the implant material is perfused out of the respective distal end and wall openings.